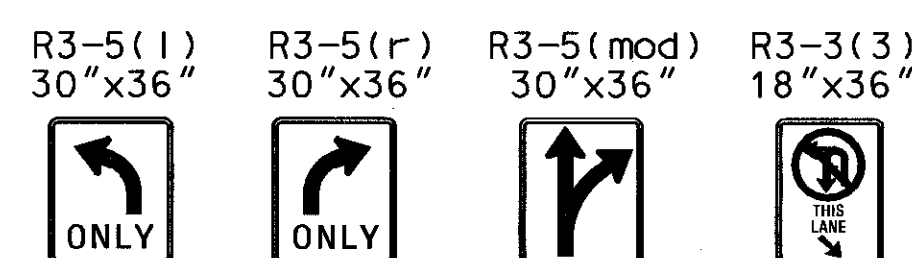


US 301 IS ASSUMED TO RUN NORTH/SOUTH

CONSTRUCTION DETAILS

- A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET WITH CONCRETE PAD. INSTALL 2-2" AND 2-4" SCHEDULE 80, 90 DEGREE, PVC ELECTRICAL CONDUIT BENDS IN CONTROLLER BASE.
- B. INSTALL 27' STEEL POLE WITH A 50' MAST ARM, 15' LUMINAIRE ARM WITH 250 W HPS LUMINAIRE, TRAFFIC AND PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGN, VIDEO DETECTION CAMERA, SIGNS, AND ELECTRICAL SERVICE EQUIPMENT. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE, PVC ELECTRICAL CONDUIT BEND IN POLE BASE.)
- C. INSTALL 27' STEEL POLE WITH A 70' MAST ARM, 15' LUMINAIRE ARM WITH 250 W HPS LUMINAIRE, TRAFFIC AND PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGN, VIDEO DETECTION CAMERA, AND SIGNS. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE, PVC ELECTRICAL CONDUIT BEND IN POLE BASE.)
- D. INSTALL 27' STEEL POLE WITH A 50' MAST ARM, 15' LUMINAIRE ARM WITH 250 W HPS LUMINAIRE, TRAFFIC AND PEDESTRIAN SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE, PVC ELECTRICAL CONDUIT BEND IN POLE BASE.)

PROPOSED SIGNS



27,29

30

28

33

A,B,C,D

D-3(3)
24"x72"

Chrysler Dr

D-3(2) DUAL FACE
16"xVAR

Chevy Dr

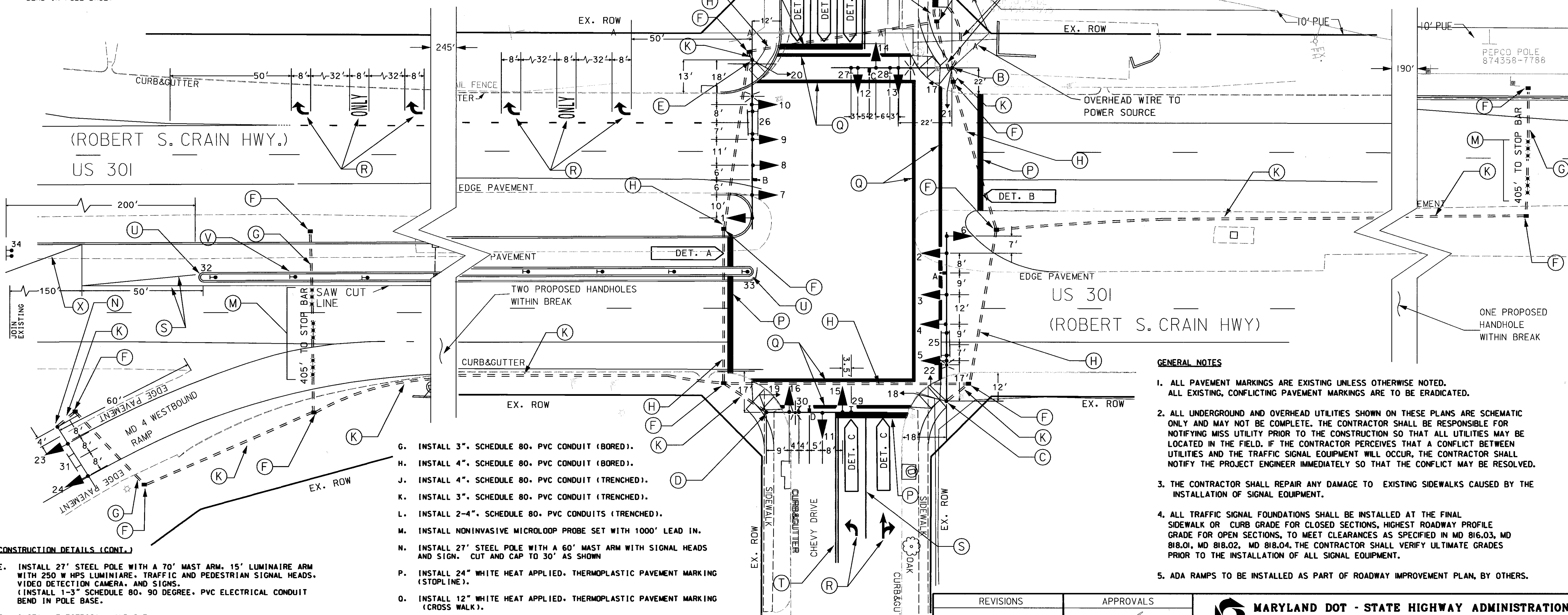
Chrysler Dr

W3-3(2)
120"x60"

**SIGNAL AHEAD
PREPARE TO STOP
WHEN FLASHING**

DM-1(1)
18"x18"

32



CONSTRUCTION DETAILS (CONT.)

- E. INSTALL 27' STEEL POLE WITH A 70' MAST ARM, 15' LUMINAIRE ARM WITH 250 W HPS LUMINAIRE, TRAFFIC AND PEDESTRIAN SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE, PVC ELECTRICAL CONDUIT BEND IN POLE BASE.)
- F. INSTALL ELECTRICAL HANDHOLE.

UTILITY LEGEND

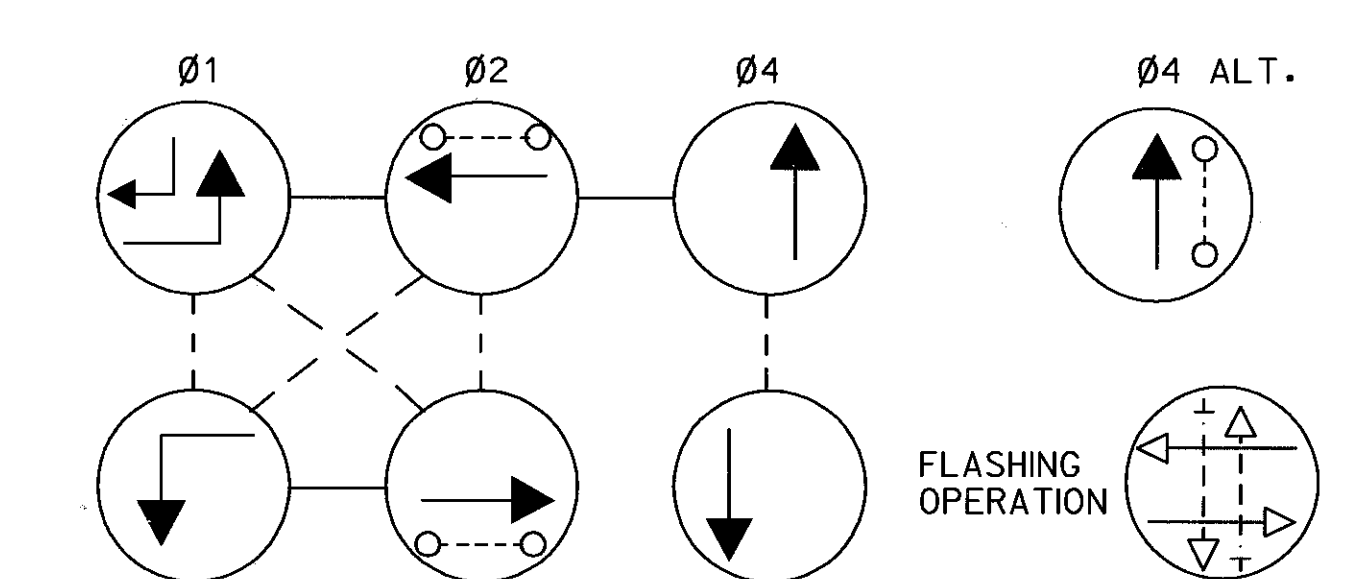
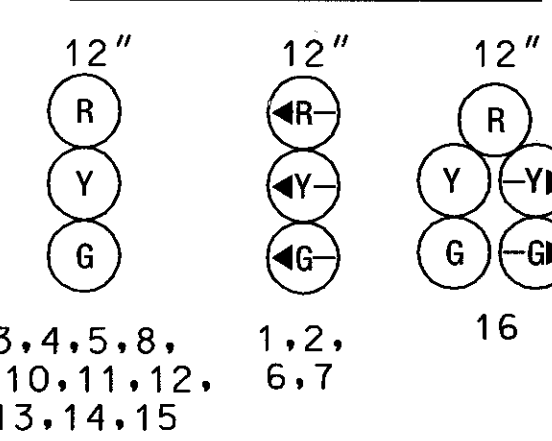
- G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

- G. INSTALL 3", SCHEDULE 80, PVC CONDUIT (BORED).
- H. INSTALL 4", SCHEDULE 80, PVC CONDUIT (BORED).
- J. INSTALL 4", SCHEDULE 80, PVC CONDUIT (TRENCHED).
- K. INSTALL 3", SCHEDULE 80, PVC CONDUIT (TRENCHED).
- L. INSTALL 2-4", SCHEDULE 80, PVC CONDUITS (TRENCHED).
- M. INSTALL NONINVASIVE MICROLOOP PROBE SET WITH 1000' LEAD IN.
- N. INSTALL 27' STEEL POLE WITH A 60' MAST ARM WITH SIGNAL HEADS AND SIGN. CUT AND CAP TO 30' AS SHOWN.
- P. INSTALL 24" WHITE HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING (STOPLINE).
- O. INSTALL 12" WHITE HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING (CROSS WALK).
- R. INSTALL PREFORMED THERMOPLASTIC PAVEMENT MARKING SYMBOL AS SHOWN.
- S. INSTALL 5" WHITE HEAT-APPLIED THERMOPLASTIC PAVEMENT MARKING.
- T. INSTALL 5" DOUBLE YELLOW HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING.
- U. INSTALL GROUND MOUNTED SIGN ON 4"x4" WOODEN POST.
- V. INSTALL GROUND MOUNTED FLEX POSTS ALONG MEDIAN (14 TOTAL). POSTS TO BE GREY WITH YELLOW REFLECTIVE TAPE AND SPACED AT 30'.
- X. INSTALL 5" YELLOW HEAT-APPLIED THERMOPLASTIC PAVEMENT MARKING.

PROPOSED VIDEO DETECTION CAMERAS

PROPOSED BLACK-FACED TRAFFIC SIGNAL HEADS

PROPOSED NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

GENERAL NOTES

1. ALL PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED. ALL EXISTING, CONFLICTING PAVEMENT MARKINGS ARE TO BE ERADICATED.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. ADA RAMPS TO BE INSTALLED AS PART OF ROADWAY IMPROVEMENT PLAN, BY OTHERS.

WELLS & ASSOCIATES, LLC
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5 W-1 Street
Lynchburg, VA 22475
Phone (703) 443-1442 Fax (703) 443-1225

REVISIONS	APPROVALS
	<i>Michael R. ...</i> 4.7.05 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> 4.7.05 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> 4.7.05 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION			
TRAFFIC SIGNAL DESIGN PLAN US 301 (ROBERT S. CRAIN HWY.) & CHRYSLER DRIVE / CHEVY DRIVE			
DRAWN BY: WTB	F.A.P. NO. N/A	TS NO. 4395	SHEET NO. 1 OF 2
CHECKED BY: CT HJK	S.H.A. NO. BW996M82	T.I.M.S. NO. G851	
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	LOG MILE: 16030114.34	
DATE: 4/6/05			